Advisory Council on Clean Air Compliance Analysis
Health Effects Subcommittee
FY 2004 Member Biosketches

Health Effects Subcommittee

Hurley, John Fintan

Institute of Occupational Medicine (IOM)

Mr. Fintan Hurley is currently Research Director at the Institute of Occupational Medicine (IOM), an independent non-profit organization carrying out research and consulting in occupational and environmental health, exposure and risk assessment, in Edinburgh, Scotland, UK. Fintan graduated 1st Honours B.A. in Mathematics, Statistics and Economics at the National University of Ireland (NUI) in Cork in 1970; MA (NUI) Mathematics and Statistics in 1971; post-graduate research in Bayesian methods at Unversity of Edinburgh. His main research activities have been (i) epidemiological studies of the health effects of long-term occupational exposures to dusts, pesticides and (ii) since the early 1990s, on estimating the public health impacts and associated costs of outdoor air pollution, overall and from particular sources (electricity generation and transport…). His research experience has been multi-disciplinary, working closely with physicians, toxicologist, exposure specialists, ergonomists, economists, psychologists, mathematical modelers as well as other statisticians. Since 1996 he has been a member of the Committee on the Medical Effects of Air Pollutants (COMEAP) of the UK Department of Health and was from 1998-2002 a member of the Expert Panel on Air Quality Standards (EPAQS) of the UK Department of Environment (then, DEFRA).

Kinney, Patrick

Columbia University

Dr. Kinney is Associate Professor of Clinical Public Health in Environmental Health Sciences. He holds a Sc.D. in Environmental Health Sciences/Air Pollution Control and Physiology from the Harvard University School of Public Health. His areas of research include air pollution epidemiology, exposure assessment, exposure modeling, risk assessment. He is the author of EPA ozone and PM criteria documents – epidemiology sections and a member of the National Academy of Science panel on Health Benefits Analysis.

Kleinman, Michael

University of California

Dr. Michael T. Kleinman is a Professor of Community and Environmental Medicine at the University of California, Irvine. He has a Ph.D. in Environmental Health Sciences from New York University and a M.S. in Chemistry (Biochemical Toxicology) from the Polytechnic Institute of Brooklyn. He also holds a B.S. in Chemistry from Brooklyn College, City University of New York. Dr. Kleinman has extensive experience in studies of the effects of airborne contaminants on health. His current research activities include inhalation studies with laboratory animals and human volunteers to test hypotheses related to defining causal relationships between health effects and components of ultrafine, fine and coarse pollutant particles. A key component in these studies, which include both laboratory based and epidemiological panel research programs, is the assessment of exposure and the relationship of exposure to dose. Dr. Kleinman also has had extensive experience in determinations of atmospheric transport of chemical contaminants. Dr. Kleinman is a member of the executive committee of the Southern California Particle Center and Supersite which is a multi-institutional consortium based at UCLA and which is supported by USEPA and the California Air Resources Board. He is currently the Chair of the Air Quality Advisory Committee for the state of California. This committee reviews the scientific basis of air quality regulations promulgated by the California EPA. Dr. Kleinman is a member of a National Academy of Sciences Committee to evaluate the preparation of the US Navy to operate in Chemical, Biological and Radiological Warfare situations. He was also the co-Chair of a National Academy of Sciences Committee to evaluate current capabilities related to Protection of Deployed Forces Against Chemical and Biological Weapons. He is the past chair of the Environmental Division of the Air and Waste Management Association and is a member of the executive committee of the University of California Toxic Substance Teaching and Research Program.

Kuenzli, Nino

University of Southern California

Dr. Nino Künzli is Associate Professor at University of Southern California Keck School of Medicine (Department of Preventive Medicine; Environmental Health Science Division), Los Angeles. As an environmental epidemiologist, his main focus are exposure to and health effects of ambient air pollution and the public health impact of these effects. He is a co-investigator and member of research teams such as the Swiss Study on Air Pollution and Lung Diseases in Adults (SAPALDIA; Swiss National Science Foundation), the European Community Respiratory Health Survey II (European Community Research Programs), where he leads the Air Pollution Central Unit, the European Population Exposure Distribution Assessment Study (EXPOLIS), and the UC Berkeley Ozone Study (Prof. Ira Tager; NIH grant). At USC he collaborates with the repeated cohort Children Health Study on air pollution and health in 12 South Coast Basin communities (NIH). He serves on national and international expert committees and as reviewers of the major journals in this field. With the Trinational European Air Pollution Impact Assessment project, published in Lancet, he intensified particularly a debate about the interpretation of air pollution epidemiology and its application to risk assessment. The concepts published in the Ameircan Journal of Epidemiology have been subject of several committees such as from WHO, leading to methodological guidelines and further work by many others. He was a member of the U.S. National Academy of Sciences NRC Committee on Estimating the Health-Risk-Reduction Benefits of Proposed Air Pollution Regulations wich also addressed the issue of how to interpret effect estimates from different study designs. He holds a, B.S and MD from the University of Basel, and a Ph.D. and M.P.H. from the University of California, Berkeley.

Lippmann, Morton

New York University School of Medicine

Dr. Lippmann is a Professor of Environmental Medicine at the New York University (NYU) School of Medicine. He holds a Ph.D. (NYU, 1967) in Environmental Health Science, an S.M. (Harvard University, 1955) in Industrial Hygiene, and a B.Ch.E. (The Cooper Union, 1954) in Chemical Engineering. At NYU, he directs a research program on Human Exposure and Health Effects, and the EPA-supported Particulate Matter Health Effects Research Center. He has been the recipient of numerous awards for his research and contributions in aerosol science and pulmonary physiology, human exposure assessment and dosimetry, chemical transformations in the atmosphere, population studies of exposure-response relationships in occupational and community cohorts, and factors affecting the toxicity of airborne fibers. Much of this research has been focused on specific chemical agents, notably ozone, sulfuric acid, and asbestos. Dr. Lippmann is a past President of the International Society of Exposure Analysis (1994-1995), past Chairman of: the ACGIH (1982-1983); the EPA Science Advisory Board's Executive Committee (2000-2001); EPA's Advisory Committee on Indoor Air Quality and Total Human Exposure (1987-1993); and EPA's Clean Air Scientific Advisory Committee (1983-1987). He has also chaired and been a member of numerous National Research Council committees, including committees on the airliner cabin environment and the health of passengers and crew, synthetic vitreous fibers, measurement and control of respirable dust in mines, indoor pollutants, toxicity data elements, and in-vivo toxicity testing of complex mixtures. His publications include over 275 research and review papers in the scientific literature and two reference texts on environmental health science. He is currently the Director of the EPA-supported Particulate Matter Health Effects Research Center at NYU, and of an EPA-Cooperative Agreement with NYU on personal exposure of respiratory disease patients to particulate matter in ambient air.

Ostro, Bart Chair

California Office of Environmental Health Hazard Assessment (OEHHA)

Bart Ostro, Ph.D., is currently the Chief of the Air Pollution Epidemiology Unit, Office of Environmental Health Hazard Assessment, California Environmental Protection Agency. His primarily responsibilities are to formulate the Agency's recommendations for state ambient air quality standards and to investigate the potential health effects of criteria air pollutants. His previous research on mortality and morbidity effects of air pollution, has contributed to the determination of federal and state air pollution standards for ozone and particulate matter. Dr. Ostro was also a co-author of the EPA regulatory impact analysis that was a basis for the federal ban of lead in gasoline. Dr. Ostro has served as a consultant with several federal and international institutions including the World Health Organization and the World Bank, and with several foreign governments including Mexico, Indonesia, Italy, the European Union, Thailand, and Chile. He currently serves on the National Academy of Sciences' Committee on Estimating the Health Risk Reduction Benefits of Proposed Air Pollution Regulations, and is on the Scientific Oversight Committee for ATHENA (Air Pollution Health Effects in Europe and North America) for the Health Effects Institute. Dr. Ostro received a Ph.D. in Economics from Brown University and a Certification in Environmental Epidemiology from the State of California. He has published over 60 articles on air pollution epidemiology and environmental economics in peer reviewed journals. His current research interests involve conducting epidemologic studies on the mortality and morbidity effects of criteria air pollutants, examining the health effects of traffic, and quantifying the health benefits and associated uncertainties related to air pollution control.

Parkin, Rebecca

The George Washington University

Rebecca T. Parkin is an Associate Research Professor in the Department of Environmental and Occupational Health with a joint appointment in the Department of Epidemiology and Biostatistics in the School of Public Health and Health Services at The George Washington University Medical Center. Also, she is the Scientific Director of the Center for Risk Science and Public Health at the University. Previously Dr. Parkin was director of Scientific, Professional and Section Affairs at the American Public Health Association; the assistant commissioner of the Division of Occupational and Environmental Health at the New Jersey Department of Health; and an environmental epidemiologist at the Centers for Disease Control. Her areas of expertise include environmental epidemiology, public health policy, vaccine risk/benefit communication, and environmental health risk assessment and communication. Recently her work has been supported by the U.S. Environmental Protection Agency; Cadmus the American Water Works Association Research Foundation; the U.S. Departments of Defense, Veterans Affairs, and Health and Human Services; Montgomery County (MD) Department of Health and Human Services; and the Association of Occupational and Environmental Clinics. She has been a member of the National Research Council's (NRC's) Water Science and Technology Board; and has served on committees of the NRC's Board of Environmental Science and Technology, the Institute of Medicine, U.S. Environmental Protection Agency, Dept. of Health and Human Services, and Agency for Toxic Substances and Disease Registry. Additionally, she has represented U.S. public health scientists through invitation to speak at international forums and workshops hosted by the National Academy of Sciences, and professional societies and institutions. Throughout her career, she has served as a site visitor for the Council on Education for Public Health, and as a peer reviewer for several professional journals focused on environmental health. Dr. Parkin received her A.B. in sociology from Cornell University; M.P.H. in environmental health and Ph.D. in epidemiology from Yale University; and Certificate in Science, Technology, and Policy from Princeton University. She has been honored by Yale University as a Distinguished Alumna for her extensive public service (12/2003).